

## **REMARKS**

### **Status of Claims**

The Office Action mailed April 5, 2005 has been reviewed and the comments of the Patent and Trademark Office have been considered. Claims 1-7 were pending in the application. Claims 1, 2, and 6 have been amended and no claims have been canceled or newly added. Therefore, claims 1-7 are pending in the application and are submitted for reconsideration.

This amendment changes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, are presented, with an appropriate defined status identifier.

Applicant thanks the examiner for indicating that claims 2-6 contain allowable subject matter. Accordingly, applicant has placed claims 2 and 6 in independent form and claims 3-5 depend from claim 2. Therefore, claims 2-6 are in condition for allowance in accordance with the indication in the Office Action.

### **Claim Objections**

Claims 1 and 2 are objected to because of informalities. Applicant has amended these claims to address the issues noted in the Office Action.

### **Prior Art Rejections**

In the Office Action, claim 1 is rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. patent 6,552,686 to Ollikainen et al. (hereafter "Ollikainen"). Claim 7 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Ollikainen in view of U.S. patent 5,861,854 to Kawahata et al (hereafter "Kawahata"). Applicant respectfully traverses these rejections for at least the following reasons.

Independent claim 1 recites, *inter alia*, that the parasitic line antenna element is arranged such that the third end portion and the fourth end portion are separated by a middle portion that is greater than either said third end portion or said fourth end portion, wherein the first end portion (of the main line antenna element) is arranged adjacent only one of said third end portion and said fourth end portion (of the parasitic line antenna element). That is,

the claimed first end portion (of the main line antenna element) does not overlap both the third end portion and the fourth end portion of the parasitic line antenna element. In Ollikainen, both the third and fourth end portions of the parasitic antenna 30 are arranged adjacent to the first end portion of the main line antenna element 20. That is, this recited feature in independent claim 1 is not disclosed or suggested by Ollikainen.

Furthermore, this deficiency in Ollikainen is not cured by any of the other applied references. Accordingly, pending independent claim 1 is believed to be patentable over the applied prior art.

The dependent claims are also patentable for at least the same reasons as the independent claims on which depend. In addition, they recite additional patentable features when considered as a whole.

For example, claim 7 recites that main antenna element and the parasitic antenna element are unified by the use of resin. This recited feature is not disclosed or suggested by the applied prior art. Specifically, the Kawahata reference cited against this feature discloses a surface mount antenna having various separate electrodes on a resin base member 1. However, Kawahata does not disclose or suggest the claimed main line antenna element and the parasitic line antenna element unified by the use of resin. Accordingly, this recited feature provides an additional reason for the patentability of this claim.

**Conclusion**

In view of the foregoing amendments and remarks, and in view of the indication of allowability in the Office Action, applicant submits that the pending claims are now in condition for allowance. If there are any questions or if an examiner's amendment would facilitate the allowance of one or more of the claims, the examiner is invited to contact the undersigned attorney at the local telephone number below.

Should additional fees be necessary in connection with the filing of this paper, or if a petition for extension of time is required for timely acceptance of same, the Commissioner is hereby authorized to charge deposit account No. 19-0741 for any such fees; and applicant hereby petitions for any needed extension of time.

Respectfully submitted,

Date June 21, 2005

FOLEY & LARDNER LLP  
CUSTOMER NO. 22428  
Telephone: (202) 672-5485  
Facsimile: (202) 672-5399

By Aaron C. Chatterjee

David A. Blumenthal  
Registration No. 26,257  
Aaron C. Chatterjee  
Registration No. 41,398  
Attorneys for Applicant